

# Mapper Experiment

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## Graphs

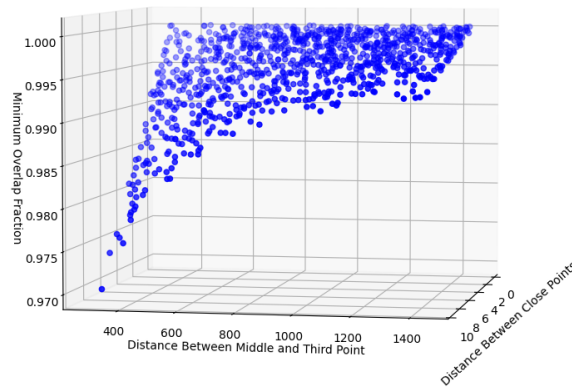


Figure 1: Triangle Example using projection of y coordinates, clustering with DBSCAN

## Comments

It is interesting that the overlap fraction required for a triangle is lowest when the two close points are as far apart as the code allows, while the middle and far point are closest. In general, it seems that when the close points are farther apart, less overlap is required. This experiment only looks DBScan under standard parameters. In the future it may be better to change the epsilon and see how that impacts overlap fraction.

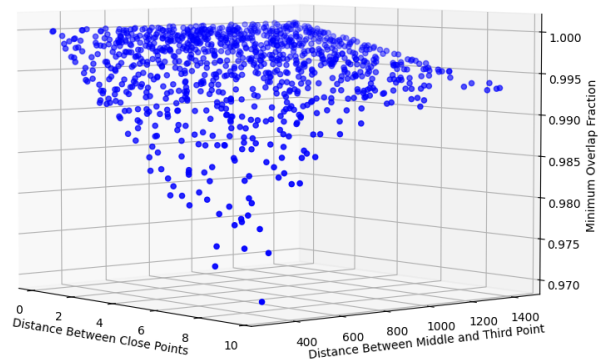


Figure 2: Triangle Example using projection of y coordinates, clustering with DBSCAN